

## ABSTRACT

**A METHOD OF DESPREADING GPS SIGNALS**

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A method of despread- ing a plurality of GPS spread spectrum signals received by a GPS receiver (24) is disclosed together with a GPS receiver (24) and a mobile communications device (MS1) (especially a mobile cellular telephone) for the same. The method comprises the steps of acquiring a first  
10 GPS signal from the stored samples; obtaining frequency information relating to variations in the frequency of the first acquired signal as measured by the GPS receiver; and using the frequency information to acquire a second GPS signal. The frequency information may be used to acquire the second GPS signal in the course of a single dwell and may also, for a digital GPS receiver,  
15 relate to variations in the frequency of the first acquired signal present in stored samples.

[Figure 2]